JOURNAL OF MOLECULAR STRUCTURE, VOLUME 239 (1990)

AUTHOR INDEX

Alemany, P., 193
Almond, M.J., 69
Ando, I., 149
Argay, Gy., 257

Bakken, P., 205
Barker, D.J., 249
Bergana, M.M., 113
Bergström, P.-Å., 103
Bertin, D.M., 235
Borisenko, V.E., 13
Brain, P.T., 69
Brycki, B., 1
Brzezinski, B., 23
Buckleton, J.S., 249

Clark, G.R., 249
Cooney, R.P., 249
Courtney, B., 139
Csákvári, E., 291
Curé, J., 219

Djedaini, F., 161
Dodziuk, H., 167
Durig, J.R., 113

Edwards, H.G.M., 139

Forster, H., 175
Forsyth, G.A., 209
Fukuhara, K., 43

Garcia, M.V., 55
Grishanova, O.N., 13

Hargittai, I., 291
Hašek, J., 265
Hata, K., 33
Hendra, P.J., 69, 83
Hnyk, D., 265, 281
Horikoshi, K., 33

Iijima, K., 311
Ikawa, S.-I., 33

Kálmán, A., 257
Kawabata, N., 33
Kim, Y.H., 113
Kiricsi, I., 175
Konaka, S., 33
Kovács, J., 257
Kurosu, H., 149

Liegener, C.-M., 305
Lindgren, J., 103
Lumbroso, H., 219, 235

Maddams, W., 83
Matsuura, H., 43
Molnar, A., 175

Odom, J.D., 113
Olejnik, J., 23
Onuma, S., 311

Palmer, M.H., 173
Passingham, C., 83
Paszyc, S., 23
Perly, B., 161
Pintér, I., 257
Podlaha, J., 265
Podlahová, J., 265

Rankin, D.W.H., 209
Raso, M.A., 55
Rice, D.A., 69
Rickard, C.E.F., 249
Robertson, H.E., 209
Robson, P., 139
Royaud, I.A.M., 83
Rozsondai, B., 265, 281, 291

Saari, S.V., 113
Sakakibara, M., 43
Shishkov, I.F., 291
Stampf, E.J., 113
Stølevik, R., 205
Szafran, M., 1

Takashima, K., 43
Tasi, Gy., 175

Vajda, E., 265, 281
Vilaseca, E., 193

Willis, H.A., 83

Yagi, M., 311
Yates, C.A., 69

JOURNAL OF MOLECULAR STRUCTURE, VOLUME 239 (1990)

SUBJECT INDEX

Allyl alcohol,
Surface intermediates in the transformation of allyl alcohol over zeolites, 175
Amides,
A dipole moment study of enamines, amides, amidines, hydrazones, triazenes and ureas, 219
Amidines,
A dipole moment study of enamines, amides, amidines, hydrazones, triazenes and ureas, 219
Amino-(*Z*)-5-(4′-hydroxy-(*E*)-but-2′-enylidene-1,5-dihydro-2H-imidazol-2-one·H_2O,
On the structure of 4-amino (*Z*)-5-(4′-hydroxy-(*E*)-but-2′-enylidene)-1,5-dihydro-2H-imidazol-2-one·H_2O in the crystalline state, 257
Arylphosphines,
A dipole moment analysis of arylphosphines and phospholes, 235
Auger spectra,
A qualitative model for hybridization and bonding effects in molecular Auger spectra, 305

Bipyridinium cations,
Crystal structure and anion-dependent variations in the vibrational spectra of 4,4′-bipyridinium cations, 249
Bowlane (tetracyclo[3.3.3.$1^{3,10}1^{7,10}$] tridecane),
Bowlane (tetracyclo[3.3.3.$1^{3,10}1^{7,10}$] tridecane): a new hypothetical molecule possessing a pyramidal tetracoordinated carbon atom in the ground state, 167

Chlorides,
Vibrational spectra and conformation of polyethylene glycol complexed with calcium and magnesium chlorides, 33
Chlorosubstituted aniline,
Hydrogen bond and electro-optical parameters of chlorosubstituted aniline, 13
Cyclodextrins,
Organic shift reagents for the NMR analysis of cyclodextrins, 161

Dimethylmethoxyborane,
Dimethylmethoxyborane: vibrational assignment, conformation stability, ab initio calculations and barriers to internal rotation, 113
Dodecyl-*N*,*N*-dimethylamineoxide,
Formation of the homoconjugated cation $(N\text{-}O\cdots H\cdots O\text{-}N)^+$ of *N*-dodecyl-*N*,*N*-dimethylamine oxide in carbon tetrachloride, 1

Enamines,
A dipole moment study of enamines, amides, amidines, hydrazones, triazenes and ureas, 219
Ethyl acetate,
Thermodynamic functions of rotational equilibria in ethyl acetate and monohaloacetates, 55

Gossypol tautomers,
Fourier transform infrared study on the identification of gossypol tautomers, 23

Halogen derivatives,
Internal rotation in halogen derivatives of tolane $X_5C_6\text{-}C{\equiv}C\text{-}C_6X_5$ determined by molecular mechanics calculations, 205
Homoconjugated cation,
Formation of the homoconjugated cation $(N\text{-}O\cdots H\cdots O\text{-}N)^+$ of *N*-dodecyl-*N*,*N*-dimethylamine oxide in carbon tetrachloride, 1
Hybridization,
A qualitative model for hybridization and bonding effects in molecular Auger spectra, 305

Hydration,
An infrared spectroscopic study of the hydration of the triflate ion ($CF_3SO_3^-$) in aqueous solution, 103
Hydrazones,
A dipole moment study of enamines, amides, amidines, hydrazones, triazenes and ureas, 219
Hydrogen bond,
Hydrogen bond and electro-optical parameters of chlorosubstituted aniline, 13

Lactone,
Monte Carlo study of lactone formation kinetics, 193

Methyl nitrate,
Ab initio calculation of the equilibrium structure, quadrupole coupling and second moments for methyl nitrate and nitric acid, 173
Methylcyanovinyl ether,
Molecular geometry of (*E*)- and (*Z*)-methylcyanovinyl ether, 281
Methylcyanovinyl sulphone,
Molecular structure of (*E*)- and (*Z*)-methylcyanovinyl sulphone in the gas phase and in crystal, 265
Monohaloacetates,
Thermodynamic functions of rotational equilibria in ethyl acetate and monohaloacetates, 55

Nitric acid,
Ab initio calculation of the equilibrium structure, quadrupole coupling and second moments for methyl nitrate and nitric acid, 173

Organic shift reagents,
Organic shift reagents for the NMR analysis of cyclodextrins, 161

Paraffins,
Structural changes in even-numbered crystalline paraffins at temperatures below their melting point, 83
Phospholes,
A dipole moment analysis of arylphosphines and phospholes, 235
Poly(ethylene oxide),
Structure and molecular motion of poly(ethylene oxide) in the solid state as studied by variable-temperature high-resolution solid-state 13C NMR, 149
Polyethylene glycol,
Vibrational spectra and conformation of polyethylene glycol complexed with calcium and magnesium chlorides, 33

Rubidium dodecamolybdophosphate,
The preparation and characterisation of rubidium dodecamolybdophosphate, $Rb_3(MoO_3)_{12}PO_4 \cdot 4H_2O$, 139

Telluride,
Vibrational spectroscopy of dimethyl telluride, diethyl telluride and di-tert-butyl telluride in the liquid phase, 69
Tetraphenylsilane tetraphenylgermane and tetraphenyltin,
Determination of the gas-phase molecular structures of tetraphenylsilane, tetraphenylgermane, and tetraphenyltin by electron diffraction, 291
Thioxanthene,
Molecular structure of gaseous thioxanthene by electron diffraction, 311
Tolane,
Internal rotation in halogen derivatives of tolane $X_5C_6\text{-}C{=}C\text{-}C_6X_5$ determined by molecular mechanics calculations, 205
Triazenes,
A dipole moment study of enamines, amides, amidines, hydrazones, triazenes and ureas, 219
Triflate ion,
An infrared spectroscopic study of the hydration of the triflate ion ($CF_3SO_3^-$) in aqueous solution, 103
Trimethylpentanes,
Raman spectra and normal vibrations of 2-substituted 2,4,4-trimethylpentanes $(CH_3)_3CCH_2C(CH_3)_2X$ (X = Cl, Br, SH and CH_3) as model compounds of a hydrophobic group of Triton X surfactants, 43
Tris (trimethylsilyl)phosphine,
Determination of the molecular strucutre of tris (trimethylsilyl)phosphine in the gas phase by electron diffraction, supported by molecular mechanics calculations, 209

Triton X surfactants,
Raman spectra and normal vibrations of 2-substituted 2,4,4-trimethylpentanes $(CH_3)_3CCH_2C(CH_3)_2X$ (X = Cl, Br, SH and CH_3) as model compounds of a hydrophobic group of Triton X surfactants, 43

Ureas,
A dipole moment study of enamines, amides, amidines, hydrazones, triazenes and ureas, 219

Zeolites,
Surface intermediates in the transformation of allyl alcohol over zeolites, 175